APPENDIX B

VERSION WITH MARKINGS TO SHOW CHANGES MADE
37 C.F.R. § 1.121(b)(iii) AND (c)(ii)

SPECIFICATION:

Paragraph at page 5, line 12 to page 5, line 13:

This object is achieved by means of a device of the invention [of claim 1a] and by a method having the features of the invention [of claims 1b) and 1i)]. There is a central clock and at least one remote clock at separated locations. Each of the clocks has a bi-directional, two-way satellite communication link, wherein both the central clock and each remote clock transmits and receives time signals respectively to and from the satellite; each of the central clock and the remote clocks determines measurement data comprising the time difference between the time of reception of the signal transmitted by the other of the remote and central clocks. Each of the central clock and the remote clocks intermittently exchanges measurement data together with system related correction data, and the remote clock is synchronized in state and rate to the central clock based on the measurement data. A control loop in the remote clock synchronizes the remote clock to the central clock.

CLAIMS:

3. Method according to claim 15 [1, characterized in that], wherein the remote ground station is connected to the central clock via a frequency division multiple access (FDMA) method.

4. Method according to claim 15 [1 characterized in that], wherein the remote ground station is connected to the central clock via a code division multiple access (CDMA) method.

5. Method according to claim 15 [1 characterized in that], wherein the remote ground station is connected to the central clock via a time division multiple access (TDMA) method.

6. Method according to claim 15 [1 characterized in that], wherein the remote ground 2station is connected to the central clock via one or more satellites.

7. Method according to claim 15 [1 characterized in that], wherein the remote ground station is connected to a system of redundant central clocks via a multiplex method.

8. Method according to claim 15 [1 characterized in that], wherein an arbitrary number of remote ground stations is connected to the central clock via a multiplex method.

9. Method according to claim 15 [1 characterized in that], wherein an arbitrary number of remote ground stations is connected to a redundant system of central clocks via a multiplex method.

10. Method according to claim 15 [1 characterized in that], wherein a transparent transponder is located on board the satellite.

11. Method according to claim 15 [1 characterized in that], wherein a regenerative transponder is located on board the satellite.

12. Method according to claim 15 [1 characterized in that], wherein the user is informed in digital form of the current state of the remote clock with respect to the central clock.

13. Method according to claim 15 [1 characterized in that], wherein the user is supplied with a warning signal if the deviation of the remote clock with respect to the central clock exceeds a limit value.

14. Method according to claim 15 [1 characterized in that], wherein the respective state of the remote clocks is available in the form of telemetry data at the central clock.